

Inter-Office Memorandum

To: Steve Henrichsen, Planning Department

From: Randy L. Wilson, Supt. Of Water Pollution control

Subject: Comments regarding Amendments to Comprehensive Plan

Date: April 24, 2003

Cc: Brandt, Masters, Abbott, Krull

Listed below are comments we have regarding the proposed Comprehensive Plan amendments now being evaluated. The amendments are numbered as per your review handout provided 3/14/03 at the Wastewater Training Rm.

Amendments 1 thru 7

No comment.

Amendment 8. 84th & Havelock Avenue

We're assuming that any additional sanitary sewer service needs can be provided by the existing Regent Heights outfall sewer. The additional flows and loads are not considered to be significant from the description provided.

Amendment 9

No comment.

Amendment 10. N. 14th to 27th & Alvo Road

A sanitary sewer has been constructed near 14th & Alvo Rd for the development as well as some sanitary sewer west of 27th and Alvo Rd along Humphrey Ave. Without knowing at this time the final platting and finish grade elevations west of 27th street, it is uncertain as to how much land can be serviced.

We are assuming that all sanitary sewer service can be provided by sanitary sewers currently in place.

Amendment 11. 98th & "O" Street

We have reviewed the available information concerning this amendment and have met with the consulting engineers who have provided the preliminary design information.

The proposal involves the construction of a wastewater lift station to temporarily transport wastewater from the development area to the Regent Heights outfall sewer. The development would occur in three stages. Ultimately the lift station would be abandoned and wastewater flows would be directed to the Stevens Creek trunk sewer.

Based upon our review and conversations with the consultants we have indicated to them that the Regent Heights outfall sewer has limited capacity for additional development beyond what was originally anticipated and that we would only allow the first phase of development to discharge into the Regent Heights outfall sewer. Development above and beyond that level would require that wastewater flows be directed (pumped) to the Stevens Creek trunk sewer system.

The proposed Capital Improvements Program anticipates that initial routing design and planning of the Stevens Creek trunk sewer would begin later this year. Construction of the Stevens Creek trunk sewer would occur in stages and ultimately reach the Holdrege Street area in approximately seven years. The proposed temporary lift station is located near 105th & Holdrege.

If development occurs beyond Phase I (approx 113 acres) of the proposal, the lift station force main will have to be directed to the Stevens Creek trunk sewer system. It is unknown at this time when this would occur or just how much of the Stevens Creek trunk sewer might be in place to provide an outlet for this force main.

We have indicated that we will provide minimum requirements for the design of the wastewater lift station if and when design proceeds.

Amendment 12. S 66th & Hwy 2

There is an existing outfall sewer now serving Southfork which is located south of Hwy 2 and west of 66th street.

Amendment 13. Hwy 2 and Pine Lake Road.

Sanitary sewer is available between Pine Lake SID and the Berean Church.

Amendments 14

No comment

Amendment 15

At the present time there are no outlet sanitary sewers for this proposal. This area can't

be served until we extend the Upper Southeast Salt Creek Trunk sewer further south to approximately Rokeby Road. The extension of the trunk sewer is not scheduled until around the year 2007. Acceleration in construction of this trunk sewer extension will need to be a negotiating item.

Amendment 16. North 70th and Arbor Road

This proposal involves the construction of a wastewater lift station to serve land south of Interstate 80 between approximately 40th Street and 70th Street north of Salt Creek.

Based upon our review to date, the construction of a lift station appears to be the best means of providing short term needs in lieu of constructing an inverted siphon across Salt Creek.

Unfortunately, there are some other issues that go beyond this proposal amendment that we don't have the answers to.

1. We do not have preliminary routing and pipe sizing for sanitary sewers to serve other areas north of the Interstate in Growth Tier N-2. The Tier 2 boundary extends as far north as Bluff Road in N-2. To serve this area using gravity sewers would require a routing along the east bank of Little Salt Creek and then easterly toward the Northeast Wastewater Treatment Plant along Little Salt Creek and Salt Creek.
2. We need to know the boundary of potential environmentally sensitive areas along the path of future sanitary sewers. Protected wetlands boundaries and the protection of the Tiger Beetle are issues that we don't have a good handle on right now.
3. A major issue in reviewing this proposal is "what can we recommend now for wastewater improvements that give us the flexibility to serve these other areas in the future while accommodating short term needs.."
4. Can the proposed lift station be constructed along 70th street rather than 56th street. How would this change impact the Star City Combine's plans? Cost?, design?, etc.?
5. Can we establish an easement or future corridor for future trunk sewers to serve the upper reaches of Growth Tier N-2?

Additional discussions are necessary.

Amendment 17.

No comment.

Please address any additional questions you might have to me, Roger Krull, or Gary Brandt. Amendments 11 and 16 are probably the most significant for us.

Amendment 18.

We're assuming that this proposal can be served by the existing 12" sanitary sewer that currently exists in South 91st Street just east of Menard's.

Amendment 19.

There are no sanitary sewers in this area to provide service for this proposal. This area lies within the Cardwell Branch drainage basin. Our proposed CIP (Category 5) doesn't show any activity in design until the year 2010.

The proposal is showing the use of a lift station to convey sewage to the Salt Valley Trunk sewer. Our preliminary thoughts for ultimate routing of an outlet sewer for Cardwell Branch is to parallel the Old Chaney ROW. As of this date, these assumptions have not been verified through preliminary field surveys or investigations.

We have not seen any detailed sanitary sewer design data as of this date.

The following questions need to be answered.

How does Cardwell Branch get served? Lift Station versus gravity sewer.

When should the improvements (outfall sewer system) be built? ..Using present schedule presented in proposed CIP or sooner?

If development proceeds, will the lift station proposal be acceptable? If the developer is willing to pay the costs for sanitary sewer service, what exactly do we want to be built?

What is the timing of actual construction desired?

What are the chances for additional proposals coming forward that are adjacent to this one?